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PTO/SB/21 (04-04) Approved for use through 07/31/2006. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE the Paper Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. Application Number 10/810.020 TRANSMITTAL Filing Date 03/26/2004 **FORM** First Named Inventor Lin, Henry C. (to be used for all correspondence after initial filing) **Art Unit** 1645 **Examiner Name** Swartz, Rodney P. Total Number of Pages in This Submission Attorney Docket Number 04-11US **ENCLOSURES** (Check all that apply) After Allowance communication lx l Fee Transmittal Form Drawing(s) to Technology Center (TC) Appeal Communication to Board Fee Attached \$65 Licensing-related Papers of Appeals and Interferences Appeal Communication to TC Amendment / Reply Petition (Appeal Notice, Brief, Reply Brief) Petition to Convert to a Request to Correct Priority Proprietary Information **Provisional Application** Claim Declaration and Power of Attorney, Affidavits/declaration(s) Status Letter Declaration, 2 pages Other Enclosure(s) (please Extension of Time Request Terminal Disclaimer identify below): **Express Abandonment Request** Request for Refund Information Disclosure Statement Supplemental Information CD, Number of CD(s) Reference List: Form 1449 (41 pages) Disclosure Statement Remarks Certified Copy of Priority Document(s) Response to Missing Parts/ Incomplete Application Response to Missing Parts under 37 CFR 1.52 or 1.53 SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT Firm NasteCh Pharmaceutical Company Inc., Peter J. Knudsen, Attorney, Registration No. 40682 Individual name Signature Date Øctober 31, 2005

	CERTIFICATE OF TRANSMISSION/MAILING								
	correspondence is being submitted to the United States Postal Service, Priori Alexandria, VA 22313-1450 on the date shown below.	ity Mail (2 b	ooxes), to the Commissioner for						
Typed or printed name	Jeffrey L. Granger								
Signature	Selder A Glan	Date	October 31, 2005						

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Fees pursuant to the Co	Effective on 12/8/2004. nsolidated Appropriations /	Act 2005 (H.R. 4818)	Application Number	10/810,020	
· ·			Filing Date	3/26/2004	
	RANSMI	IIAL	First Named Inventor	Lin	
l Fa	or FY 200	5	Examiner Name	Swartz, Rodne	
	mall entity status. See		Art Unit	1645	
TOTAL AMOUNT OF PAY	MENT (\$) 180	.00	Attorney Docket No.	04-11US	
METHOD OF PAYMEN	T (check all that apply				
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X Deposit Account	Deposit Account Number	: 502769 Deposit Acco	unt Name: Nastech Ph	armaceutical Compa	ny Inc.
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	ny additional fee(s) or unde	erpayments of fee(s)	X Credit any over		·
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authorization on PTO-2038.					
FEE CALCULATION					
1. BASIC FILING, SEA	RCH, AND EXAMINA FILING FEES Small Entity	SEARCH FEI		ATION FEES	
Application Type	Fee (\$) Fee (\$)	Fee (\$) Fee (Fee (\$)	Fees Paid (\$)
Utility	300 150	500 2	50 200	100	0.00
Design	200 100	100	50 130	65	
Plant	200 100	300 1	50 160	80	
Reissue	300 150	500 2	50 600	300	
Provisional	200 100	0	0 0	0	
2. EXCESS CLAIM FEI	ES				Small Entity
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3. APPLICATION SIZE		uans			
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4. OTHER FEE(S)	/30 -		and up to a whole fluitiber)	^ <u></u>	Fees Paid(\$)
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SUBMITTED BY					
Signature		Registrat (Attorney/		Teleph	ione 425-908-3643
Name (Print/Type) Peter	er J. Knudsen	1,	 · 	Date	October 31, 2005

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Applicant: Henry C. Lin

U.S. Patent Application Serial No.:

10/810,020

Filed: 3/26/2004

Title: METHODS FOR MANIPULATING

UPPER GASTROINTESTINAL TRANSIT, BLOOD FLOW, AND SATIETY, AND FOR TREATING VISCERAL HYPERALGESIA Examiner Name: Swartz, Rodney P.

Group Art Unit: 1645

Attorney Docket No.: 04-11US

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Dear Sir:

This Information Disclosure Statement is submitted:

 under 37 CFR 1.97(b), or
(Within three months of filing national application; or date of entry of international
application; or before mailing date of first office action on the merits; whichever occurs last)

X under 37 CFR 1.97(c) together with either a:

- __ Statement under 37 CFR 1.97(e), or
- X a \$180.00 fee under 37 CFR 1.17(p), or (After the CFR 1.97(b) time period, but before final action or notice of allowance, whichever occurs first)

under 37 CFR 1.97(d) together with a:
Statement under 37 CFR 1.97(e), and

- a \$180.00 fee set forth in 37 CFR 1.17(p).
- (Filed after final action or notice of allowance, whichever occurs first, but before payment of the issue fee)

X Applicant(s) submit herewith Form PTO 1449-Information Disclosure Citation together with copies, of patents, publications or other information of which applicant(s) are aware, which applicant(s) believe(s) may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 CFR 1.56.

The relevance of the attached references is that this is the closest art of which Applicant is aware. Applicant submits that the above references taken alone or in combination neither anticipate nor render obvious the present invention. Consideration of the foregoing in relation to this application is respectfully requested.

It is requested that the information disclosed herein be made of record in this application.

Respectfully submitted,

Peter J. Knudsen

Attorney/Agent for Applicant(s)

Reg. No. 40682

Date: October 31, 2005

Telephone No.: (425) 908-3643 Facsimile No. (425) 908-3653

PTO/SB/08a (08-03)

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770.	Gabattate to form 14-571 10			Application Number	10/810,020		
	VECKMATION D	ISCLOS	URE	Filing Date	3/26/2004		
SEMAN S	NFORMATION DISTANCEMENT BY	APPLIC	ANT	First Named Inventor	Lin		
-				Art Unit	1645		
(Use as many sheets as necessary)				Examiner Name	Swartz, Rodney P.		
Sheet	1	of	41	Attorney Docket Number	04-11US		

			U.S. PATENT	DOCUMENTS	·
Examiner Initials*	Cite No. 1	Document Number Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-4,002,531	Issued 1/11/1977	Pierce Chemical Company	
		US-5,122,614	Issued 6/16/1992	Enzon, Inc.	
		US-5,284,839	Issued 2/08/1994	Perstorp, AB	·
		US-5,349,052	Issued 9/20/1994	Royal Free Hospital School of Medicine	
	1	US-5,428,128	Issued 6/27/1995	Mensi-Fattohi, N. et al.	
		US-5,643,575	Issued 7/01/1997	Enzon, Inc.	
		US-5,880,131	Issued 3/09/1999	Enzon, Inc.	
		US-5,936,092	Issued 10/10/1999	The University of Southern California	
		US-6,093,692	Issued 7/25/2000	The University of Southern California	
		US-6,127,355	Issued 10/03/2000	Enzon, Inc.	
		US-6,225,445	Issued 5/01/2001	The University of Southern California	
		US-6,355,478	Issued 3/12/2002	Eli Lilly and Company	
		US-6,410,707	Issued 6/25/2002	BioNebraska, Inc.	
		US-6,420,532	Issued 7/16/2002	Synaptic Pharmaceutical Corporation	
······································	1	US-6,447,743	Issued 10/10/2002	Atofina	

	FOREIGN PATENT DOCUMENTS									
		Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines,					
Examiner Initials*	Cite No.1	Country Code ³ - Number¹ - Kind Code ⁵ (<i>if known</i>)	MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	Т6				
		PCT WO 93/19175 A1	9-30-1993	Novo Nordisk						
		PCT WO 95/06058 A1	3-02-1995	Royal Free Hospital Schoool of Medicine						
		PCT WO 98/32466 A1	7-30-1998	Polymasc Pharmaceuticals PLC						
		PCT WO 96/22783	8-01-1996	North Carolina State University						
		PCT WO 99/43707 A1	9-02-1999	Novo Nordisk						
		PCT WO 00/34236 A1	6-15-2000	University of Southern California						
		PCT WO 00/42026 A1	7-20-2000	Novo Nordisk						
		PCT WO 00/68197	11-16-2000	Ortho-McNeil Pharmaceutical, Inc.						
		PCT WO 00/59887 A1	10-12-2000	Neurogen Corporation						

Examiner	Date	
Signature	Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

Translation is attached.

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Sub	stitute for form 1449A/PTO			Complete if Known		
				Application Number	10/810,020	
l IN	NFORMATION	DISCLOS	URE	Filing Date	3/26/2004	
S	STATEMENT BY APPLICANT			First Named Inventor	Lin	
	(Han on many about			Art Unit	1645	
	(Use as many sheets as necessary)			Examiner Name	Swartz, Rodney P.	
Sheet	2	of	41	Attorney Docket Number	04-11US	

	U.S. PATENT DOCUMENTS								
Examiner Initials*	Cite No. 1	Document Number Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear				
		US-4,160,452	07-1979	Theeuwes					
-		US-4,183,960	01-1980	Asher et al.					
	<u></u>	US-4,193,985	03-1980	Bechgaard et al.					
		US-4,256,108	03-1981	Theeuwes					
		US-4,265,874	05-1981	Bonsen et al.					
		US-4,530,838	07-1985	Evans et al.					
		US-4,572,833	02-1986	Pedersen et al.					
		US-4,673,680	07/1987	Pendleton					
		US-4,690,822	09-1987	Uemura et al.					
		US-4,863,744	09-1989	Urquhart et al.					
		US-4,970,207	11-1990	Sato et al.					
	<u> </u>	US-4,987,136	01-1991	Kreek et al.					
		US-4,990,617	02-1991	Boswell et al.					
		US-5,041,431	08-1991	Halskov					
		US-5,120,306	06-1992	Gosselin					

	FOREIGN PATENT DOCUMENTS								
Funnina		Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines,				
Examiner Initials*	Cite No.1	Country Code ³ - Number* - Kind Code ⁵ (<i>if known</i>)	MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	Т6			
		PCT WO 00/78333 A2	12-28-2000	Eli Lilly and Company					
		PCT WO 01/04156 A1	1-18-2001	Zealand Pharmaceuticals A/S					
		PCT WO 01/14368 A1	3-01-2001	Viropharma Incorporated					
		PCT WO 01/14386 A1	3-01-2001	Banyu Pharmaceutical Co., Ltd.					
		PCT WO 01/35988 A1	5-25-2001	Novo Nordisk A/S					
		PCT WO 01/51078 A1	7-19-2001	Amylin Pharmaceuticals, Inc.					
		PCT WO 01/66135 A1	9-13-2001	Novo Nordisk A/S					
		PCT WO 01/76631 A2	10-18-2001	Cedars-Sinai Medical Center					
		PCT WO 01/89554 A2	11-29-2001	BioNebraska, Inc.					

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Examiner	-	Date		
Signature		Considered		

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Sub	INFORMATION DISCLOSURE			Co.	Complete if Known		
Oub				Application Number	10/810,020		
IN				Filing Date	3/26/2004		
S				First Named Inventor	Lin		
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	(Use as many sheets as necessary)			Examiner Name	Swartz, Rodney P.		
Sheet	3	of	41	Attorney Docket Number	04-11US		

			U.S. PATENT	DOCUMENTS	
Examiner	Cite	Document Number P	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where
Initials*	No.	Number - Kind Code ² (if known)	MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear
		US-5,219,871	06-1993	Cross et al.	
		US-5,225,352	07-1993	Zanetta et al.	
		US-5,236,901	08-1993	Burks et al.	
		US-5,322,697	06-1994	Meyer	
		US-5,354,757	10-1994	Flynn et al.	
	ļ	US-5,362,756	11-1994	Riviere et al.	
		US-5,380,522	01-1995	Day	
		US-5,411,751	05-1995	Crissinger et al.	
		US-5,426,028	06-1995	Levy et al.	
		US-5,434,174	07-1995	Gidda et al.	
		US-5,443,826	08-1995	Borody	
		US-5,453,428	09-1995	Kaminski	
***************************************		US-5,519,014	05-1996	Borody	
		US-5,538,856	07-1996	Levy et al.	
		US-5,547,961	08-1996	Ohta et al.	

		FOREIG	N PATENT DOCU	JMENTS		
Fuenines		Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines,	T
Examiner Initials*	Cite No.1	Country Code ³ - Number - Kind Code ⁵ (<i>if known</i>)	MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	т6
		PCT WO 02/03978 A2	1-17-2002	Metabasis Therapeutics, Inc.; Sankyo Company Limited		
		PCT WO 02/066479 A1	8-29-2002	Banyu Pharmaceutical Co., Inc.		
		PCT WO 02/067918 A1	9-06-2002	Banyu Pharmaceutical Co., Inc.		
		EP 0 401 384 A1	12-12-1990	Kirin-Amgen, Inc.		
		EP 0 955 314 A2	11-10-1999	Adir et Compagnie		
		JP 60007934	1985			
		EP 0 200 902 A3	11-1986		**************************************	
		EP 0 349 949	07-1989			

Examiner		Date	
Signature		Considered	

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	Substitute for form 1449A/PTO			Complete if Known		
				Application Number	10/810,020	
INFORMATION DISCLOSURE				Filing Date	3/26/2004	
	STATEMENT BY APPLICANT			First Named Inventor	Lin	
	at a second at the second			Art Unit	1645	
	(Use as many sheets as necessary)			Examiner Name	Swartz, Rodney P.	
Sheet	4	of	41	Attorney Docket Number	04-11US	

			U.S. PATENT	DOCUMENTS	
Examiner	Cite	Document Number Put	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where
Examiner Initials*	No.	Number - Kind Code ² (if known)	MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear
		US-5,550,132	08-1996	Benson et al.	
		US-5,589,168	12-1996	Allen et al.	
		US-5,599,795	02-1997	McCann et al.	
		US-5,612,366	03-1997	Becker et al.	
		US-5,627,200	05-1997	Kreutter et al.	
***************************************		US-5,645,997	07-1997	Kline et al.	
		US-5,648,355	07-1997	Theoharides	
		US-5,648,359	07-1997	Ohashi et al.	
		US-5,660,828	08-1997	Rodriguez et al.	
		US-5,668,143	09-1997	Ku et al.	
		US-5,677,326	10-1997	Tsuchiya et al.	
		US-5,679,684	10-1997	Benson et al.	
		US-5,684,017	11-1997	Harrison et al.	
		US-5,691,343	11-1997	Sandborn et al.	
		US-5,703,100	12-1997	McDonald et al.	

		FOREIG	N PATENT DOCU	MENTS		
Examiner Initials*	Cite No.1	Foreign Patent Document Country Code ³ - Number ⁴ - Kind Code ⁵ (<i>if known</i>)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	т6
		EP 0 539 319 A2	04-1993			
		WO 94/03380	03-1994			
		WO 96/18374	11-1996			
		WO 98/46997	10-1998			
		WO 98/56397	12-1998			
		FR 2 769 915	04-1999			
		WO 85/02840	07-1999			

Examiner	Date	
Signature	Considered	

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Sheet	5	of	41	Attorney Docket Number	04-11US	

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Examiner	Cite	Document Number Public	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where		
Initials*	No.	Number - Kind Code ² (if known)	MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear		
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Sheet	27	of	41	Attorney Docket Number	04-11US	

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	ATEMENT BY AP			First Named Inventor	Lin	
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